

Press Release: FGD HD Video in FlameSpec range “HD Inside”

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FGD has been delivering product to customers in Americas since 2019. We offer a flame detection technology using the traditional UVIR sensor arrangement and IR3 technology which is being adopted as the standard technology for Hydrocarbon based applications. FGD FlameSpec detectors offer significantly Improved Performance (speed of response) for detection of Fires and Rejection of False Alarm sources, False alarms being the No.1 issue with users of IR3 and UVIR technology.

To that flame detection technology, we have also added High Definition Integrated Video which gives Operators an additional “Security” element and a View, in Real-Time, of any Fire Alarm/Event and Black-Box Event Recording for post event review. Why is this important?

1. Security cameras can be mounted in safe areas and cover the fence-line, entry gates & doors to a facility. They do not normally cover a hazardous area because access is with permit only. With our HD camera the operator can see the hazardous area and use our video as a simple view or employ AI to detect movement of people or other objects

2. Operators have so much data now they can be overloaded with information in an alarm situation. When an alarm occurs, quick and informed decisions are required to mitigate any incident. Being able to “See the fire” gives that final piece of information for the operator to make the right decision and helps in hazard management.

3. Avoiding accidental shutdown or suppression release. With a real-time view of the detectors range, the operator can quickly verify the “actual” situation. In other areas where release creates less damage but does enforce a shutdown, the video recording can offer information relating to the real cause of an event.

Many customers are already seeing the benefits of video, either by streaming live images to the control room or downloading events for later investigation. In the case of false alarm identification, the client is able to replay the event leading up to an alarm and establish the route cause. We have seen examples of modulation of sunlight by animals and swinging chains, which simulates closely a real fire. By analysing the video recording the client can make modifications to the detector settings and possibly the positioning to avoid false alarms in the future.

